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## Douglas Valkenaar

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### Summary

Software Engineer with 18 years experience with an emphasis on software configuration management analysis, design and support. Experienced with ClearCase, Perforce, SourceSafe and SCCS/RCS on various operating systems (WinNT, Win9x, Solaris, and other UNIX's). Organized, with good analytical and project management skills. Flexible team player and leader, with strong written and verbal communication skills.

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### Technical Skills

- ClearCase, SCCS/RCS, Perforce
- Perl, C, Bourne and C-shell, DOS batch
- GNU and related tools (gcc, gnumake, TeX/dvi, etc.) installation/support
- HTML, CGI
- Unix (SunOS, AOS, VM) and NT administration

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### Experience

#### **Staff ClearCase Architect** *2000-present*

*LSI Logic, Milpitas, CA*

Chief architect for a 300+ engineer community where the general workday runs 24x7.

- Greatly improved availability for the system by planning for and bringing in three new servers to replace an aging set of 12 servers - with minimal downtime and impact to users.
- Improved usability by: reducing number of regions and registry servers; standardized view creation; enabled cross-platform interoperability; developed and deployed standard VOB ownership and trigger-based rules.
- Planned and executed upgrades from ClearCase 3.2.1 to 4.1, and eventually to 2002.05.
- Designed and configured MultiSite environment for five sites (Milpitas, San Diego, UK, Japan, and China) - each with differing security, methodology, and training requirements. Effectively administered each site remotely, reducing the cost to the company because of the diminished travel needs.
- Provided regular training for new and existing employees and held monthly user-group sessions.

#### **Computer Scientist** *1997-2000*

*Adobe Systems Incorporated, San Jose, CA*

Researched, designed and led SCM replacement project for development team of over 100 engineers in various locations, supporting work on multiple platforms (NT, Mac, Solaris, and other UNIX's).

- Researched SCM needs of organization by investigating current tools use, interviewing developers and managers, and documenting results.
- Investigated and reported on various tool solutions including Continuous, Perforce, and ClearCase.

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- Led project to convert existing SCCS and C-shell script based system to ClearCase and Perl. Successfully reduced time to prepare and release code from 3+ days to less than a day.

Participated in design of project to use Perforce in 30-person development team.

Maintained and improved the Windows PostScript driver build and test environment and procedures, improving testing throughput and reducing the need for manually re-running tests.

- Improved test success by rewriting scripts in Perl, correcting improper use of internal tools, and tuning communication parameters.
- Coordinated tool needs and resolutions between internal customers, reducing issues and requests backlog by one-third.

### **Tools Engineer**

1990-1997

*Siemens Business Communications, Inc., Santa Clara, CA*

- Designed, implemented, and provided ongoing support for multi-site ClearCase development environment supporting over 100 engineers. Developed and presented training classes in ClearCase concepts and use. Led team in fixing problems with hybrid implementation (SunOS, UnixWare, Linux).
- Created configuration management tool based on RCS. Written in Perl, the system coordinated an error-tracking database and the software baseline, tracked code reviews, and provided reporting functions as needed by management.
- Provided development tools support for 80-engineer project doing C and C++ design and development.
- Assisted in designing Sun-based development environment; designed and implemented migration plan from DOS environment. Assumed helpdesk role for all areas of the work environment including installation, networks, UNIX basics, tools and processes.

### **Software Engineer**

1984-1990

*Siemens ROLM, Santa Clara, CA*

Designed, developed, and debugged Motorola 68000 assembly code for ROLM's switching product (CBX).

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## Education

**B.S., Computer Science**

*California Polytechnic State University, San Luis Obispo*

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## Professional Training

- ClearCase Fundamentals, Meta-data, and Administration - Unix and NT
- Administering Microsoft Windows NT 4.0
- Supporting Microsoft Windows NT 4.0 Core Technologies
- Continuus/CM
- PostScript Level I